

FIGURE 1

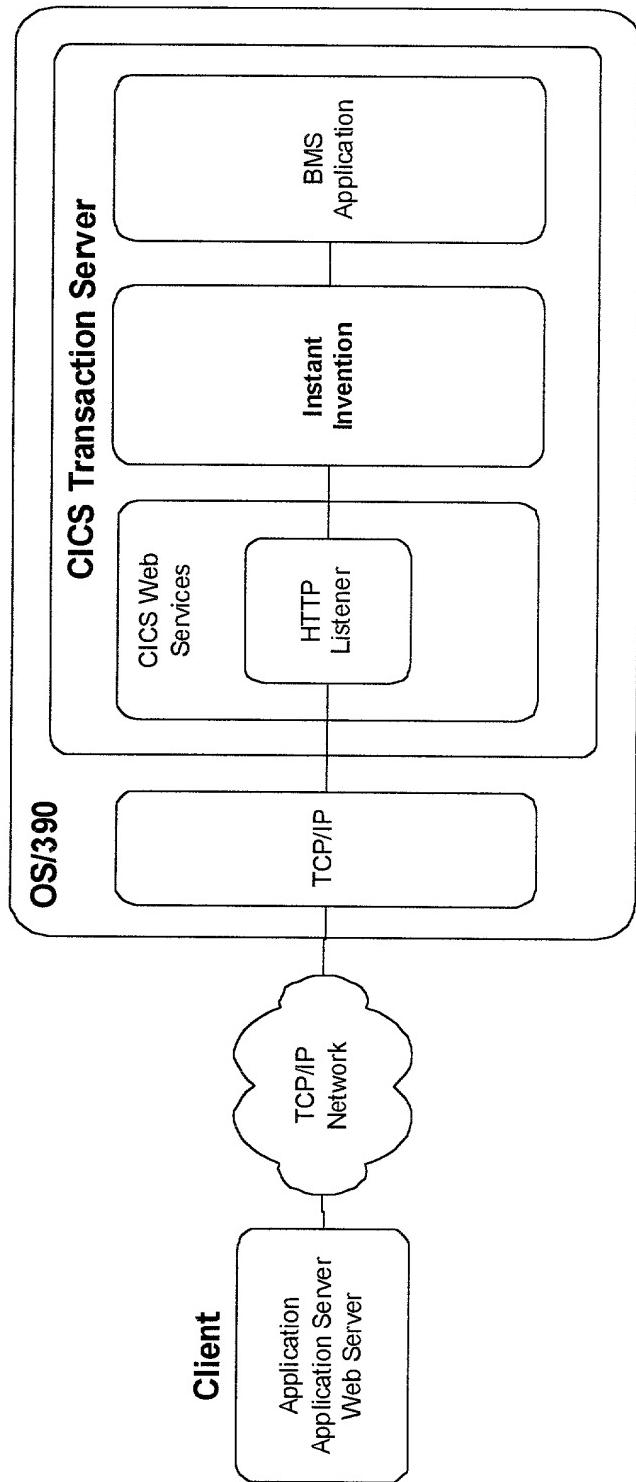


FIGURE 2

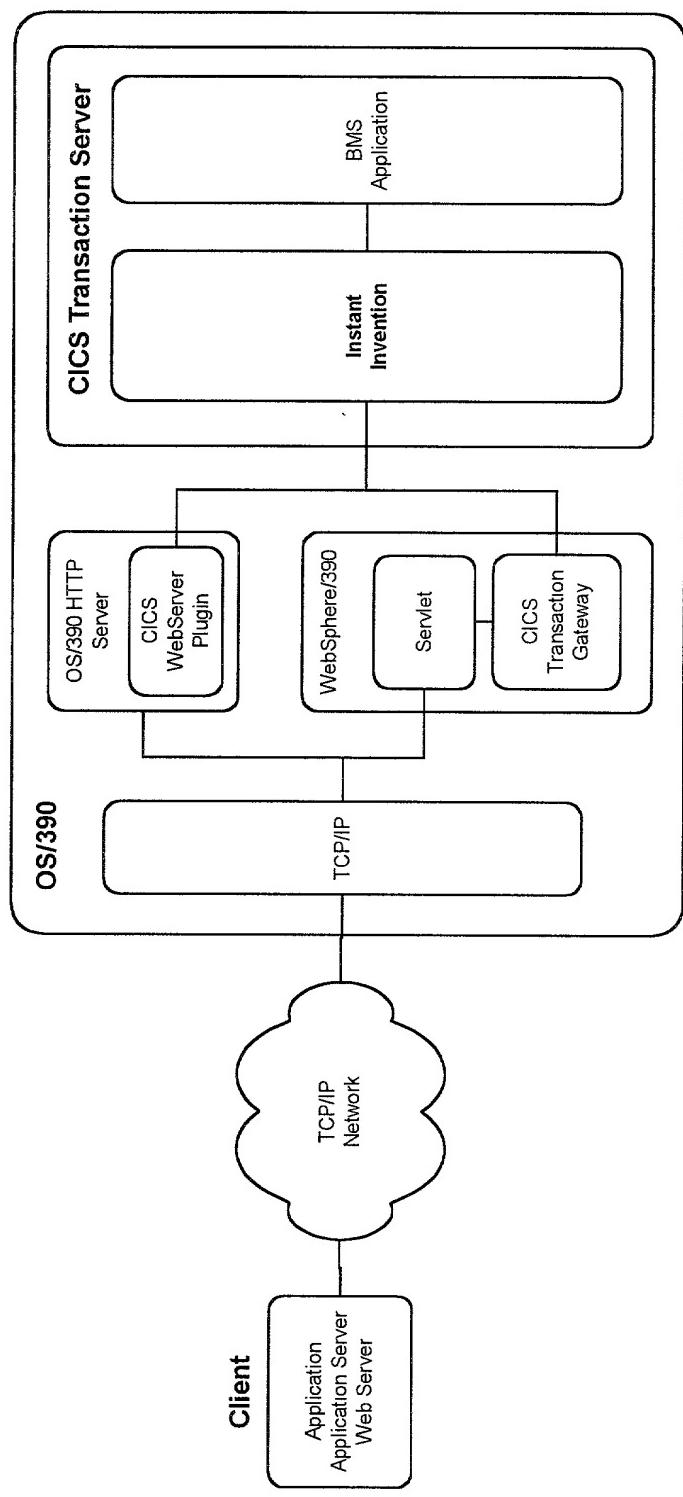


FIGURE 3

FIGURE 4

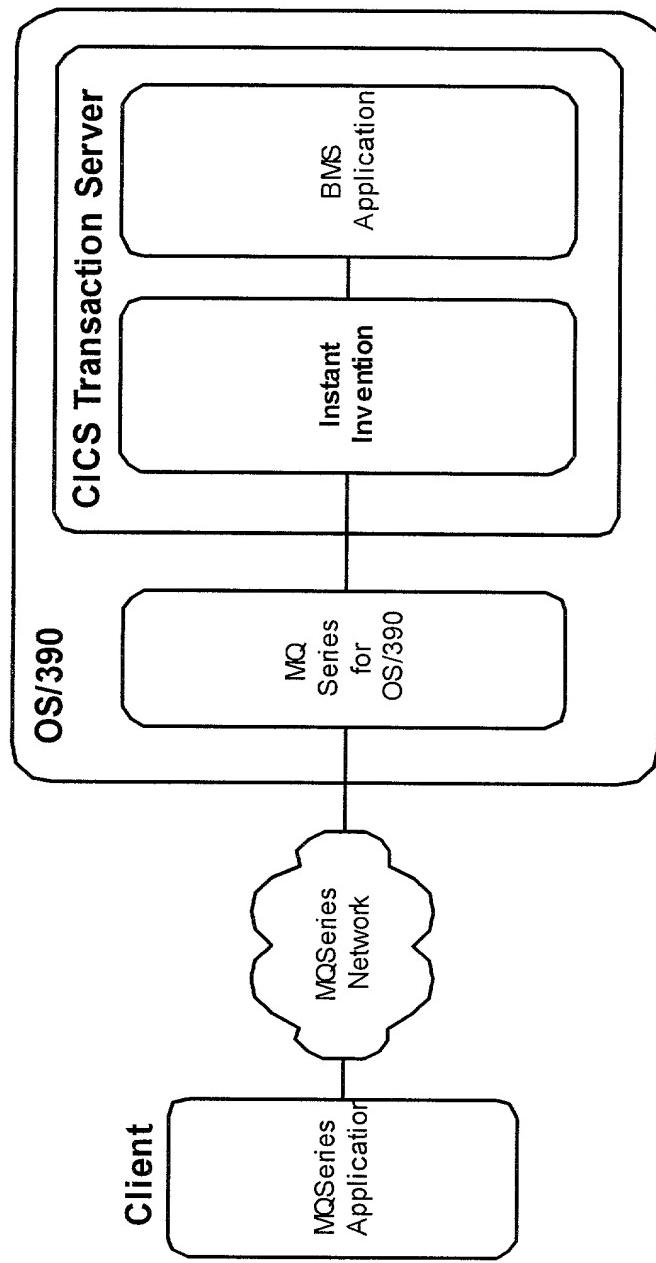
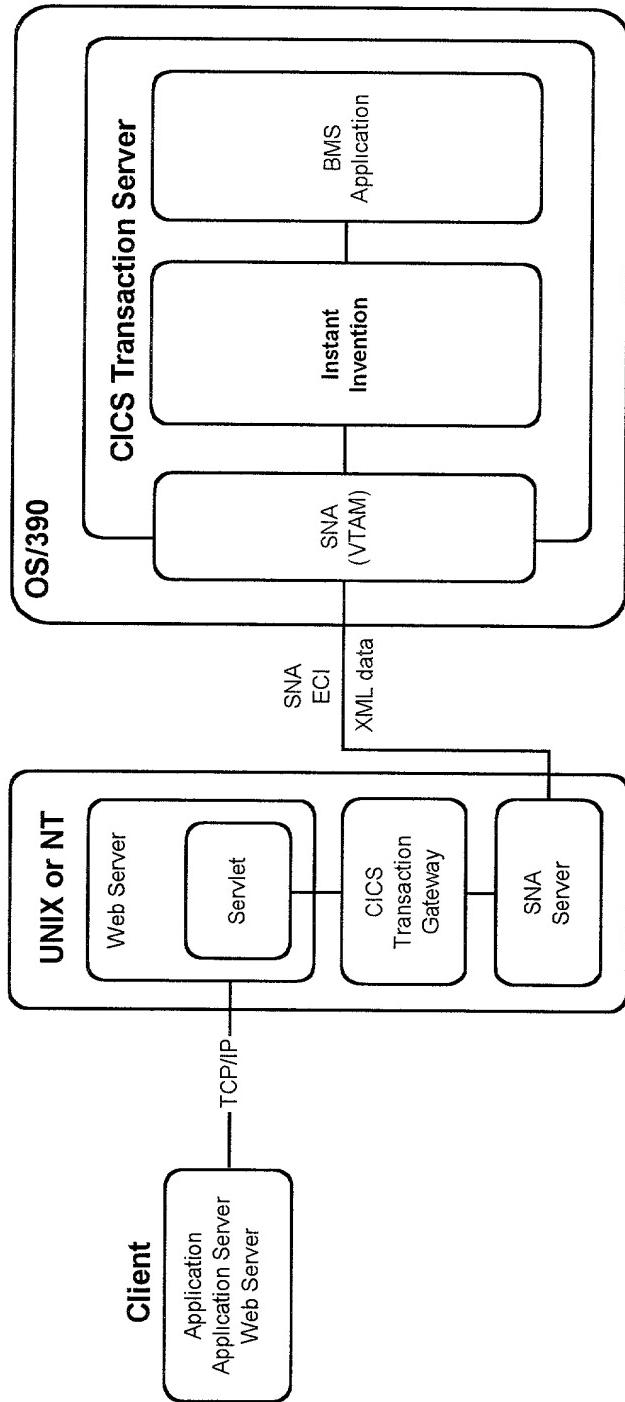


FIGURE 5



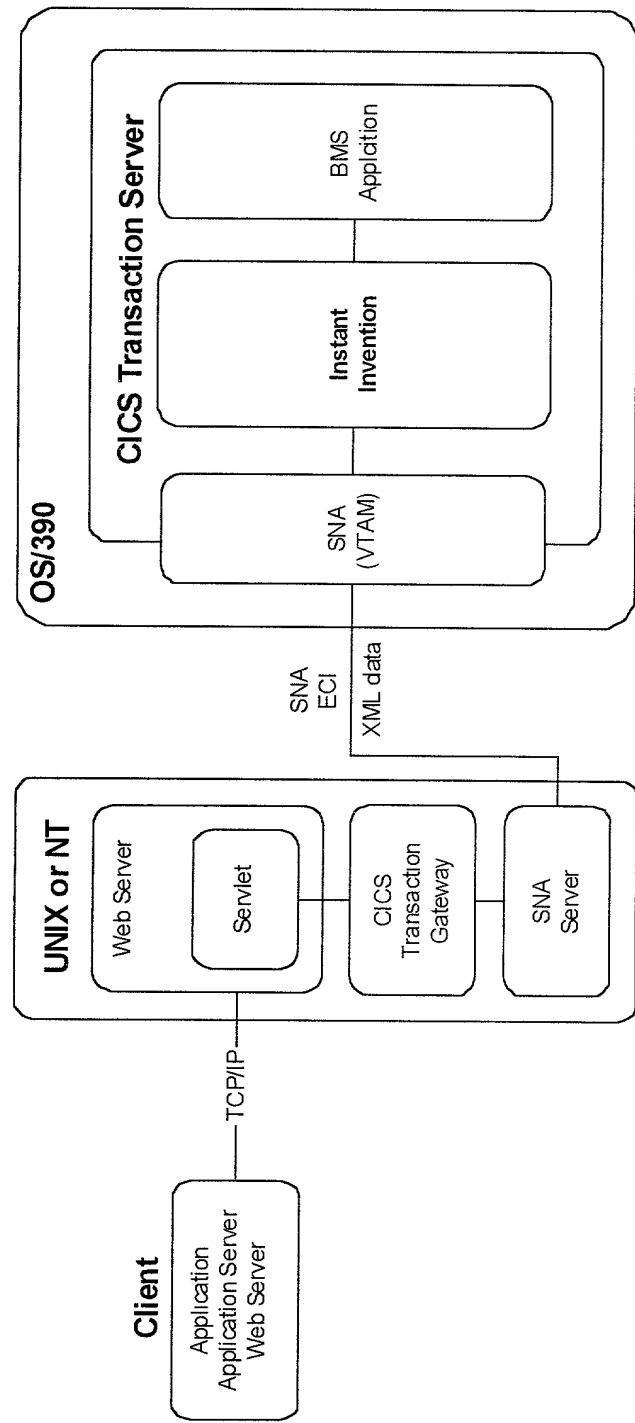


FIGURE 6

FIG. 7

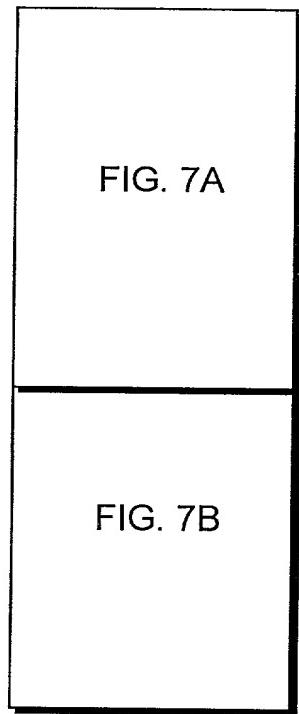


FIG. 8

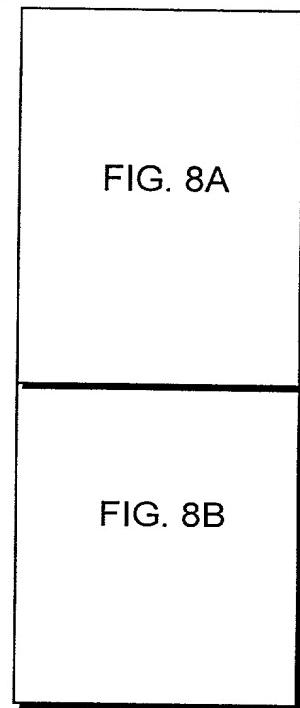


FIG. 7A

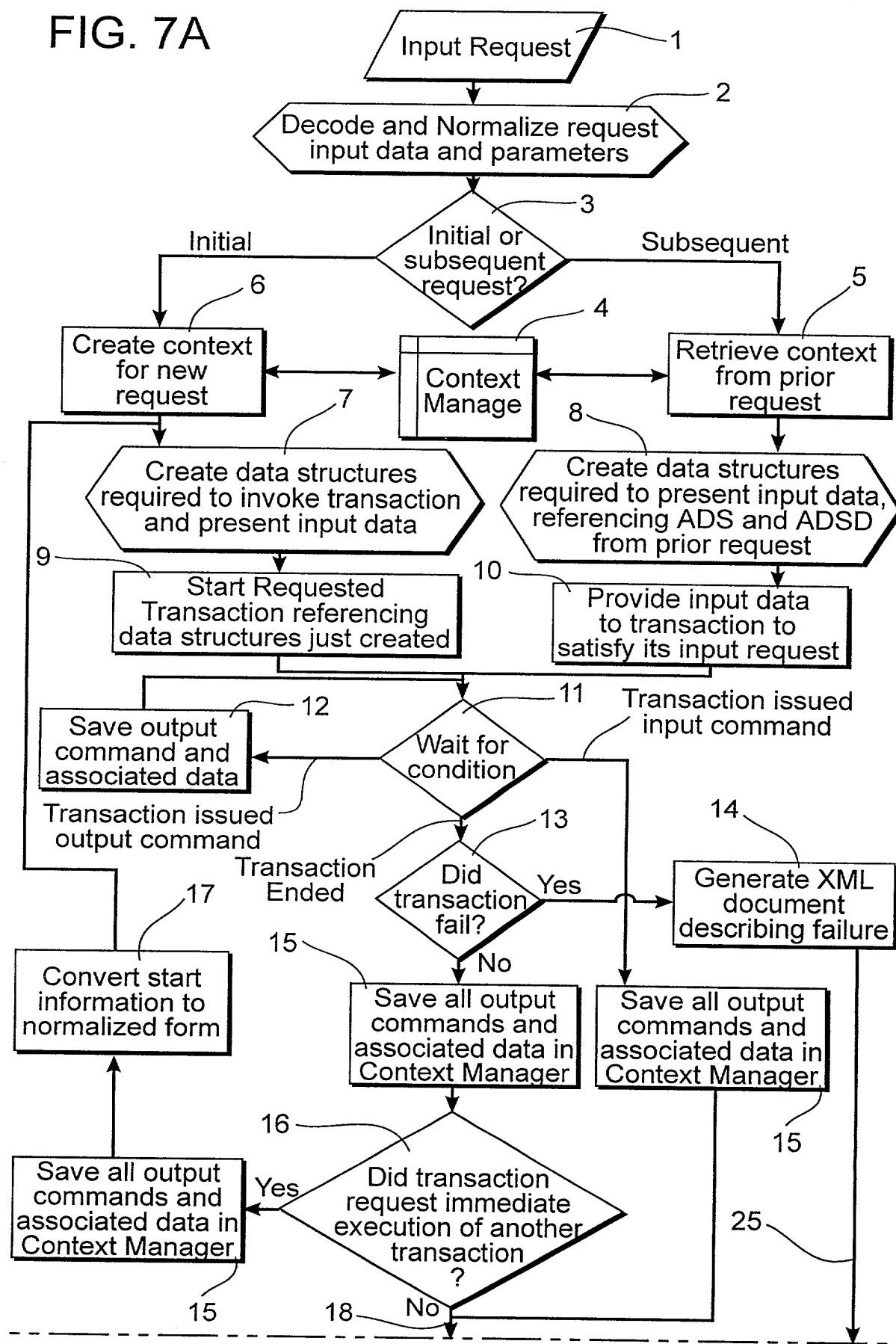
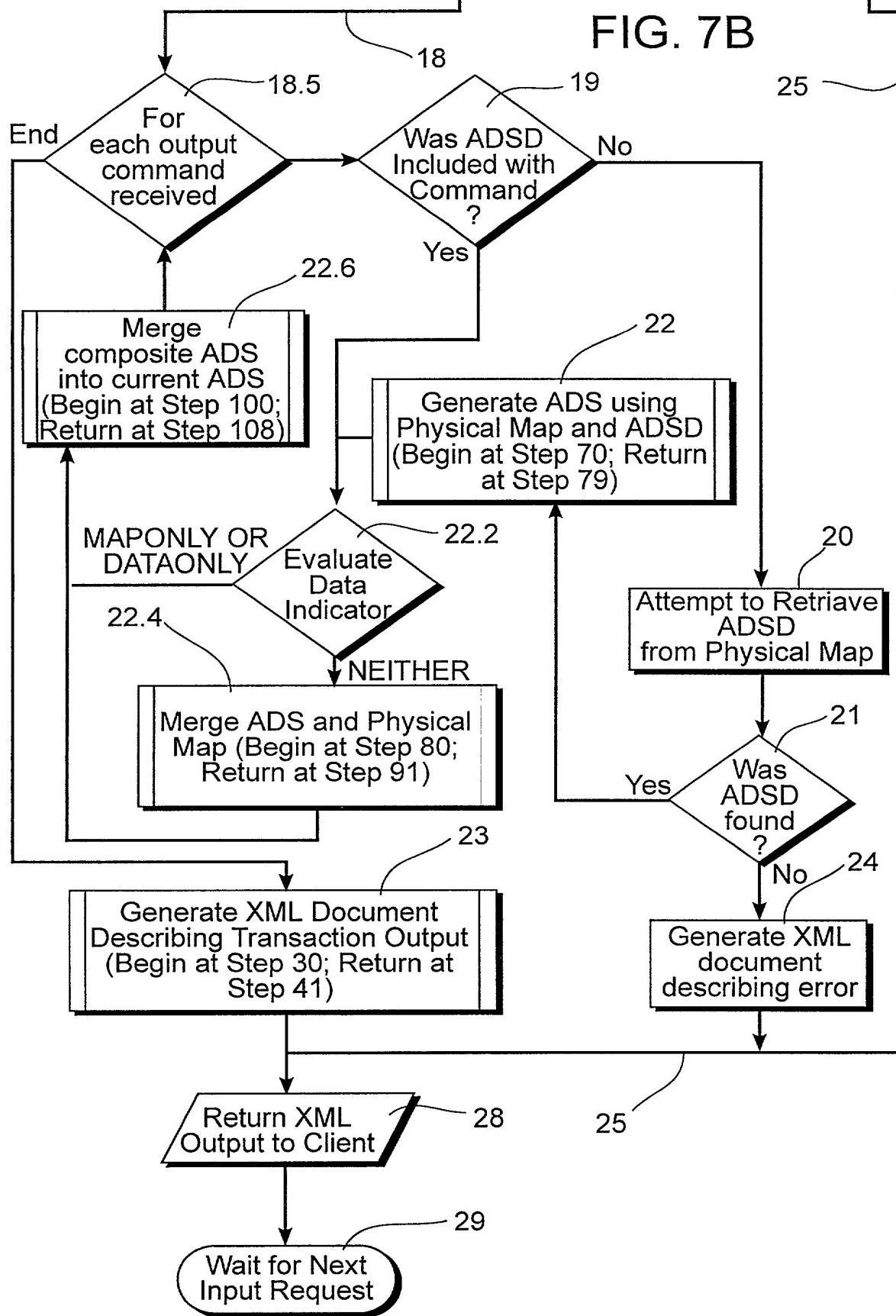
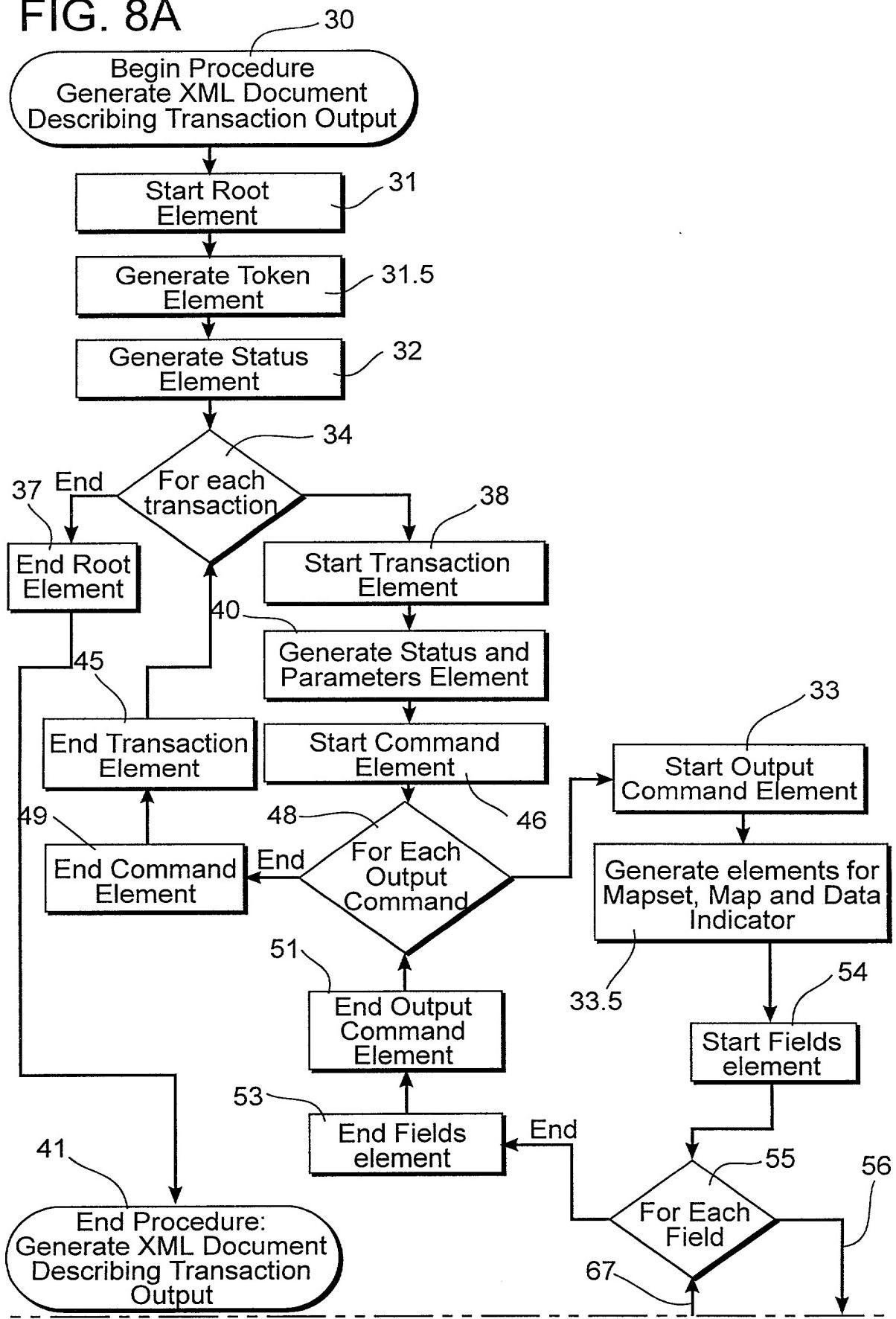


FIG. 7B



100051247-011002

FIG. 8A



10051342-014102

FIG. 8B

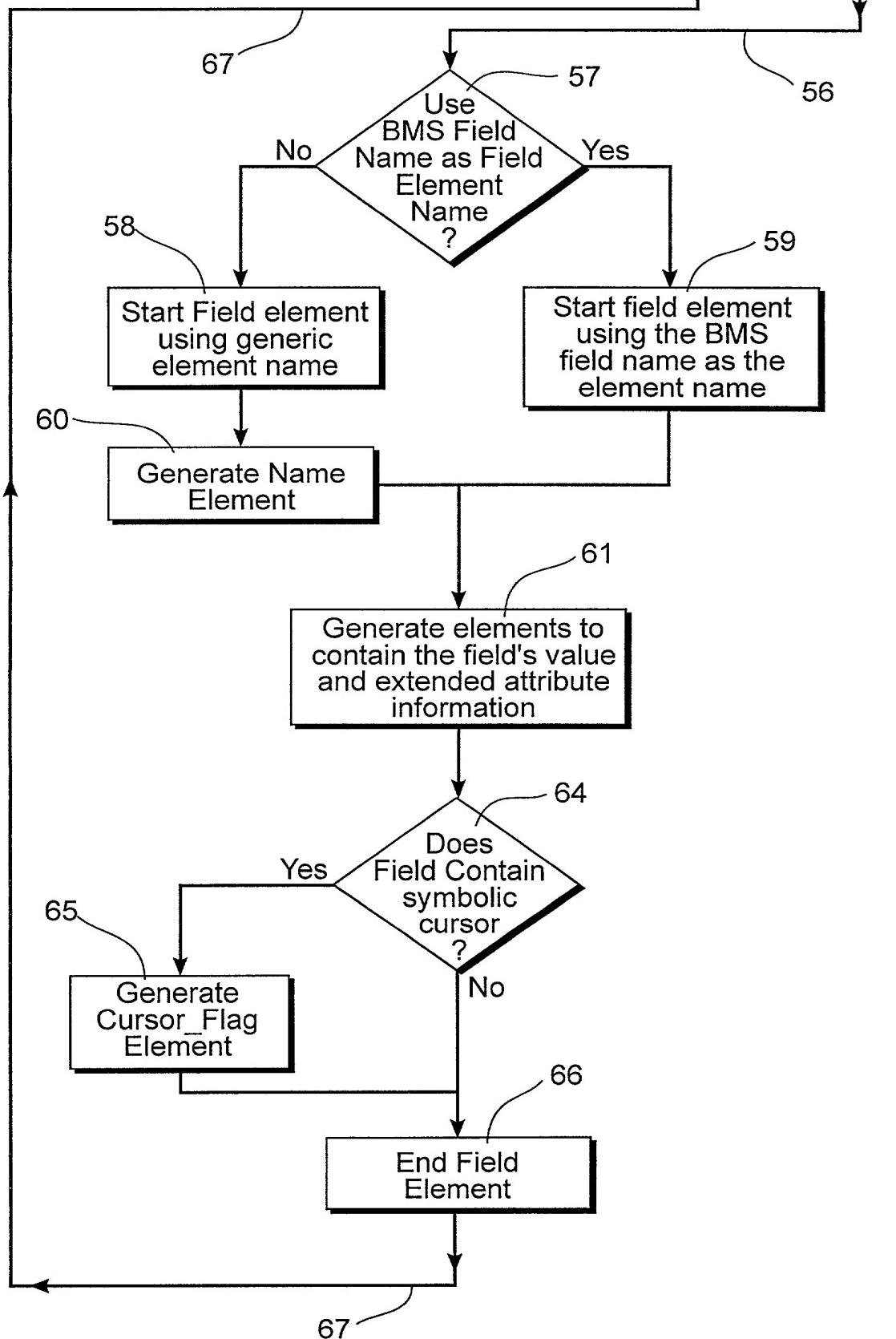
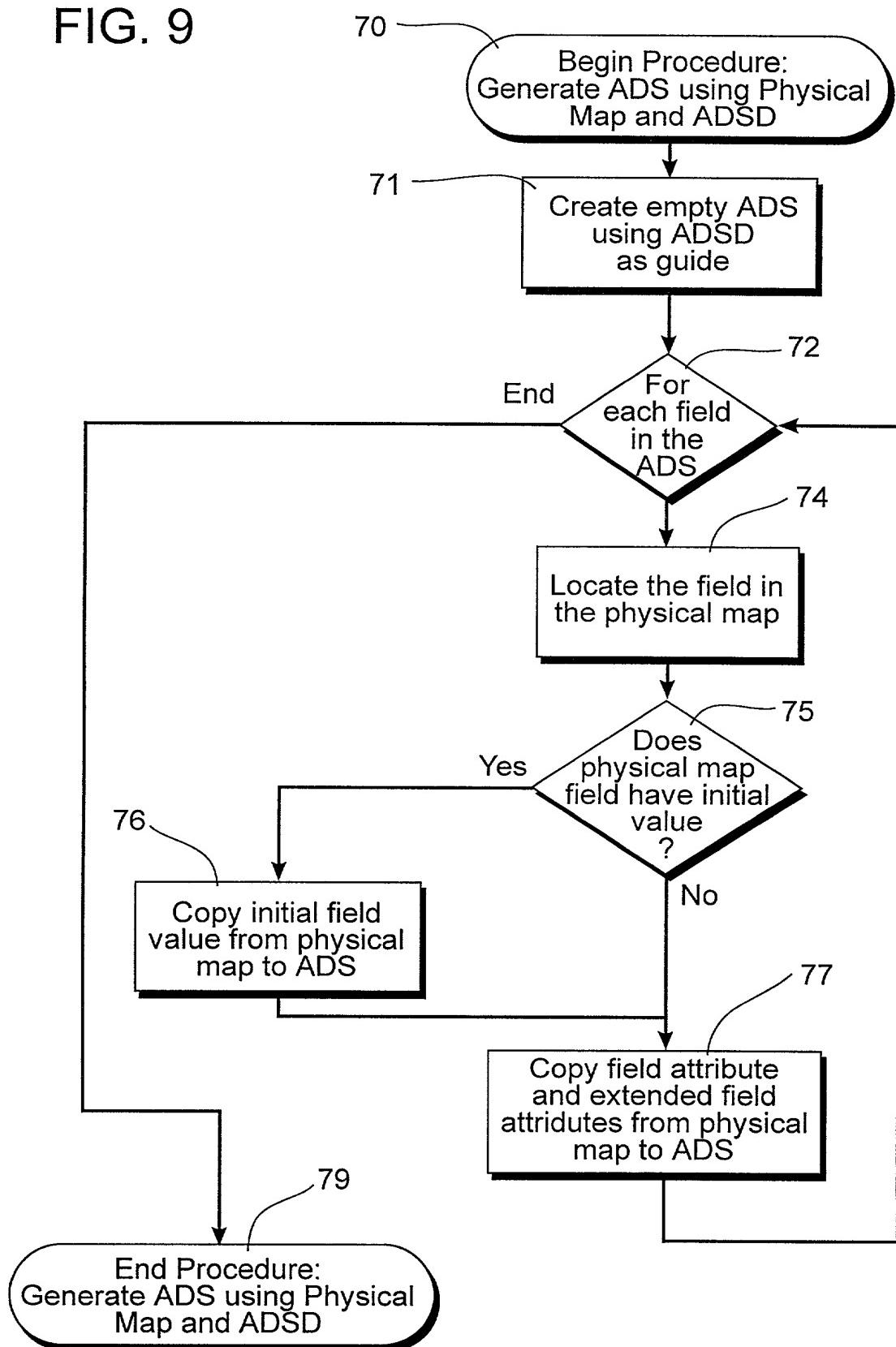


FIG. 9



100011242 - 0414302

FIG. 10

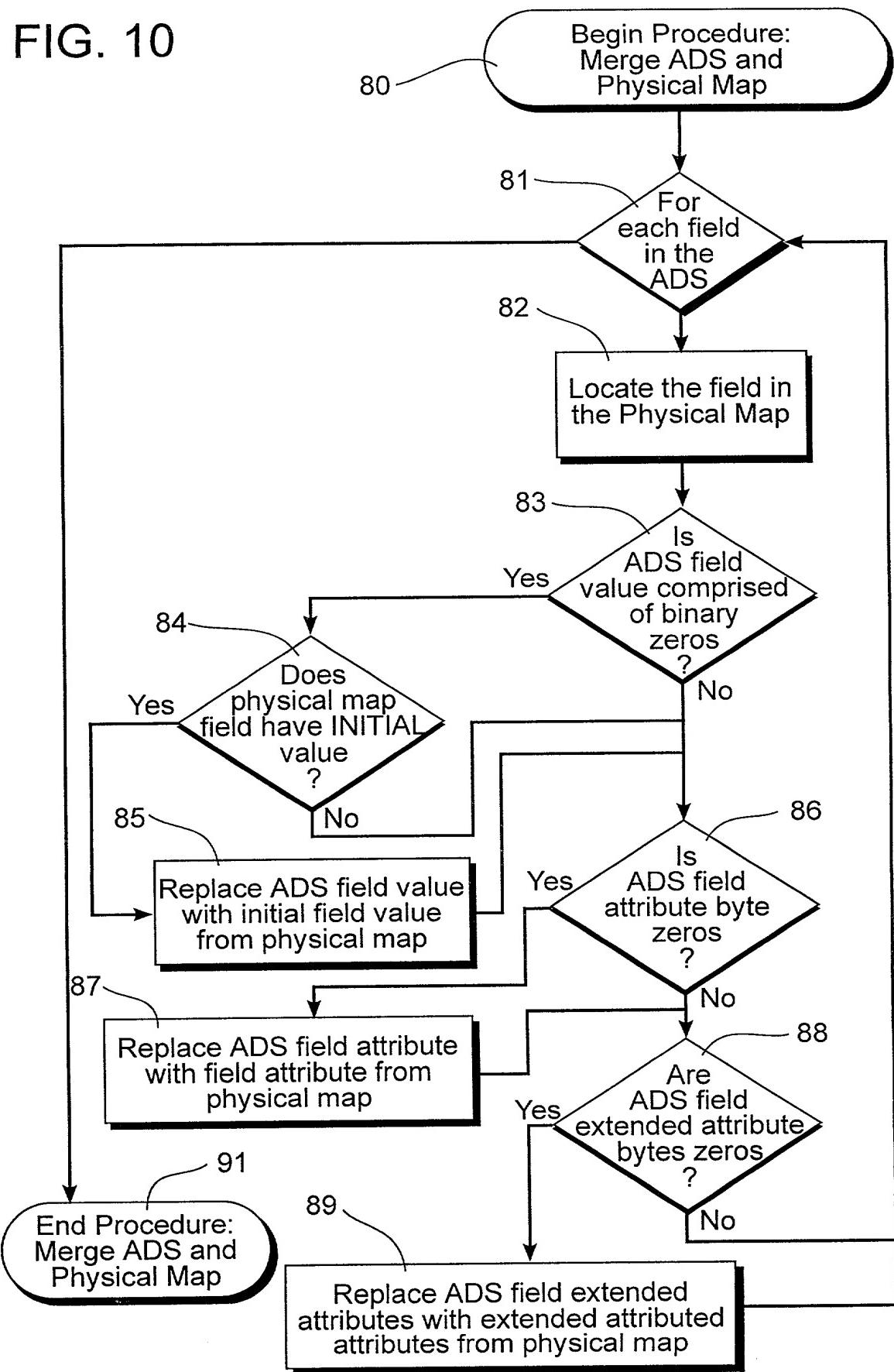
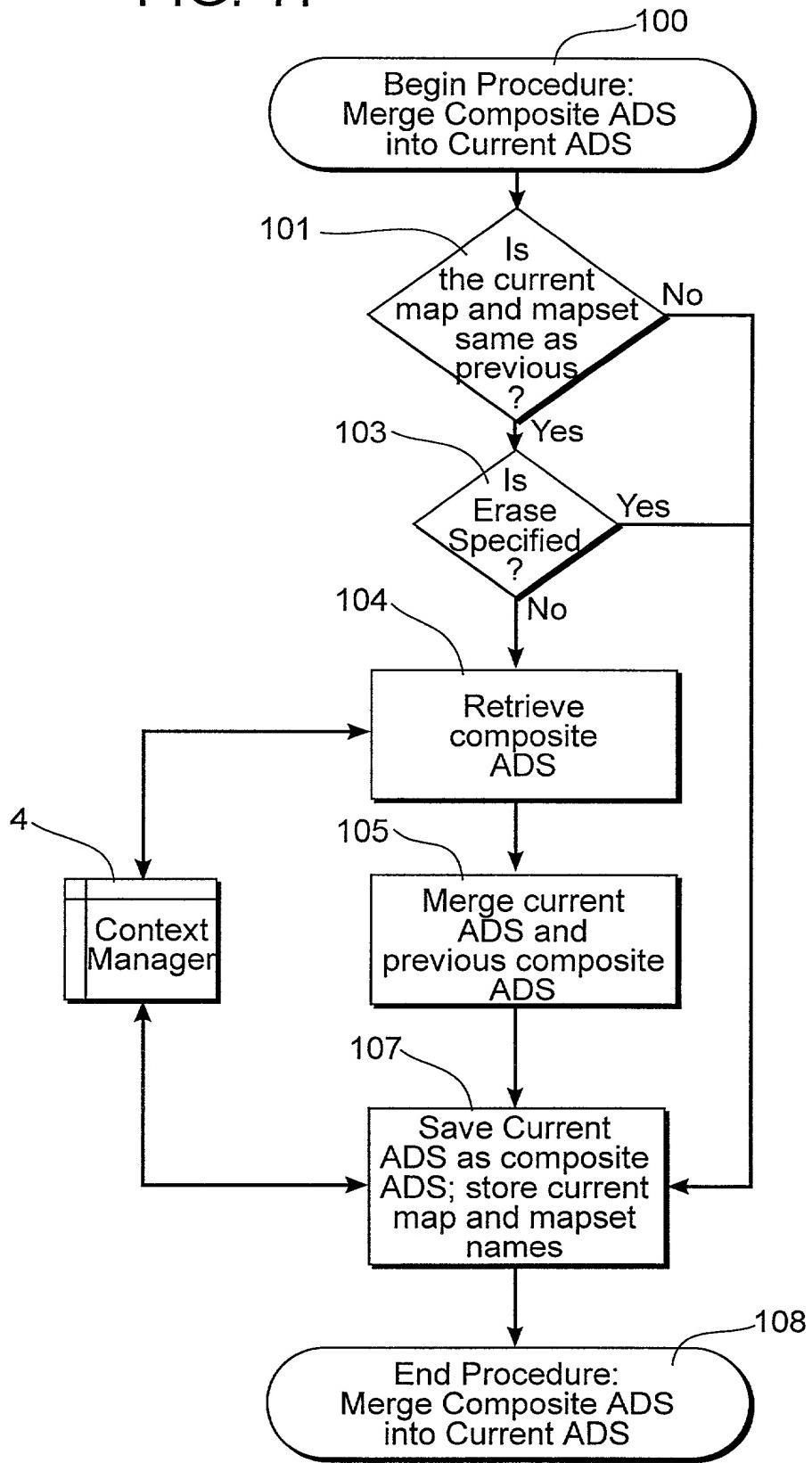
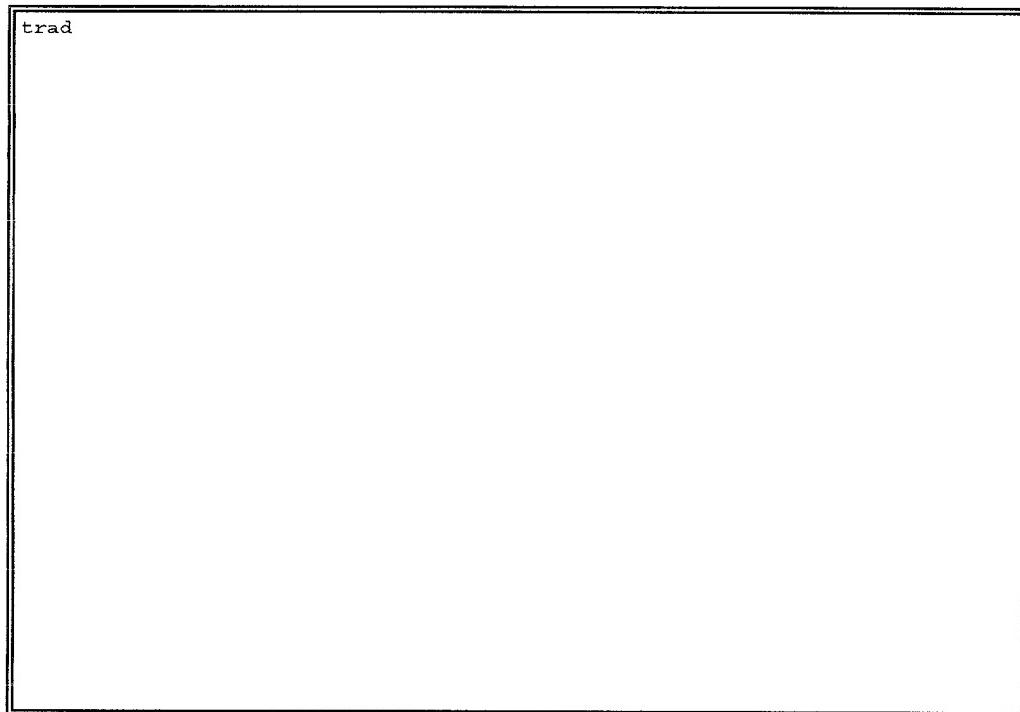


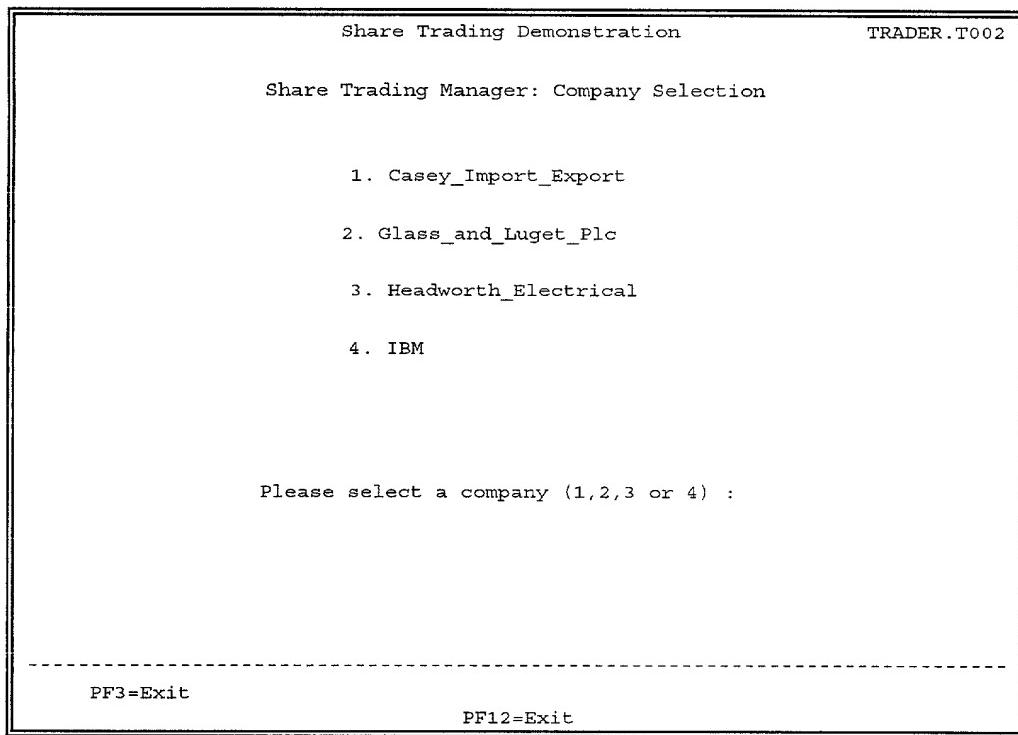
FIG. 11





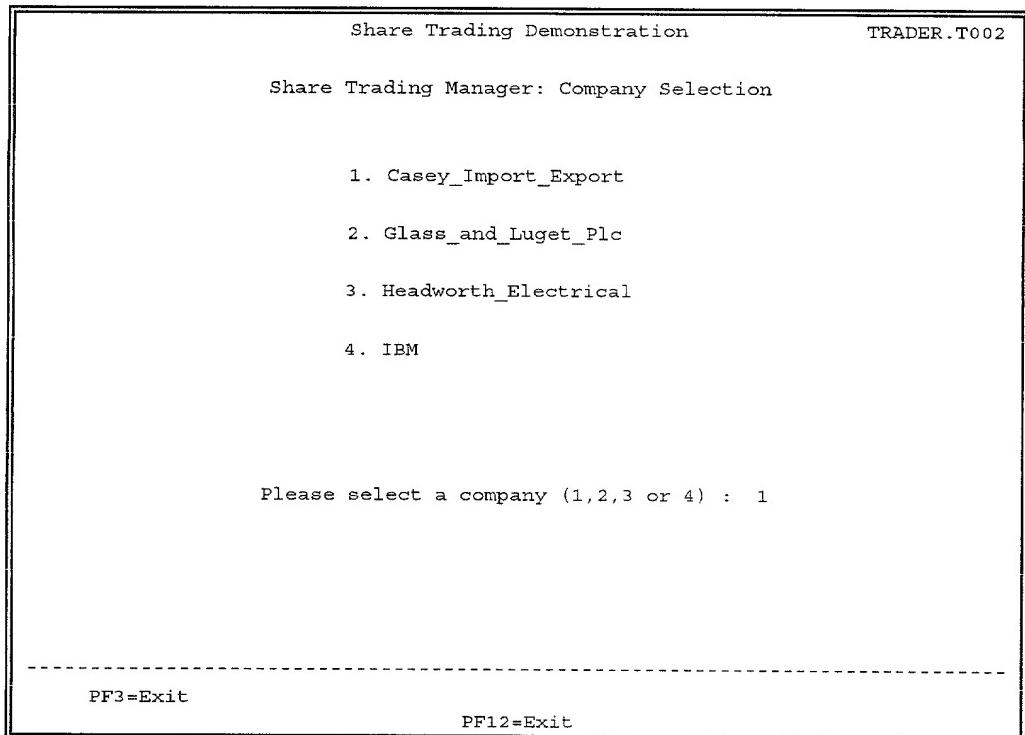
Terminal Input 1 -- Specify Transaction Name

FIGURE 12



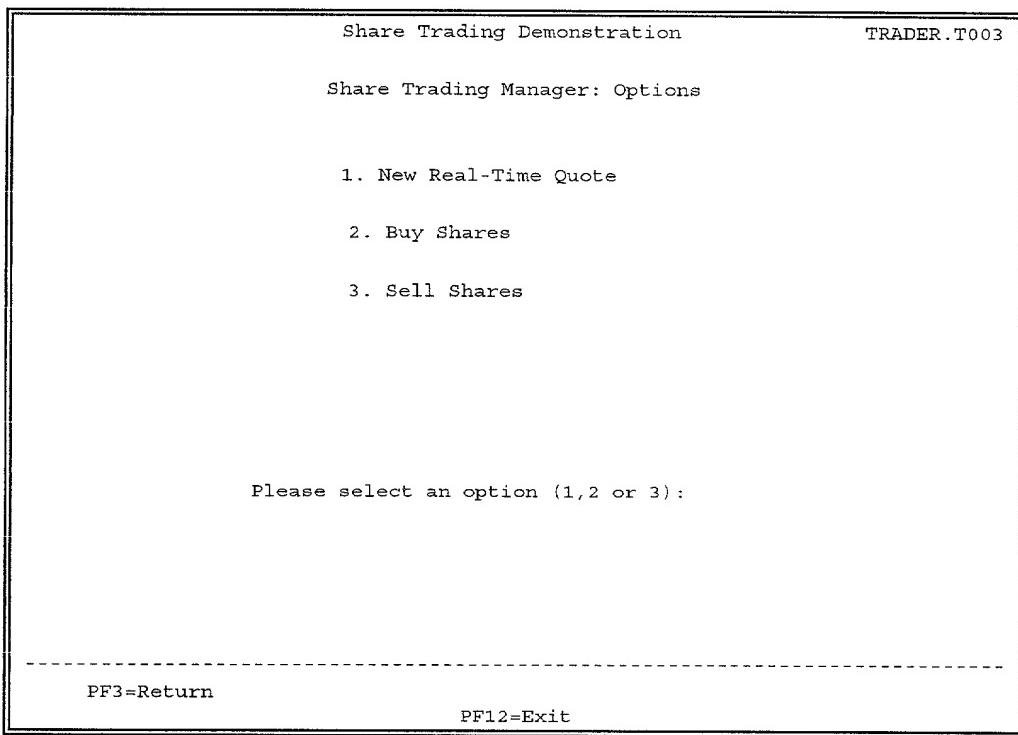
Terminal Output 1 -- Company Selection Screen

FIGURE 13



Terminal Input 2 -- Select Company

FIGURE 14



Terminal Output 2 -- Option Selection Screen

FIGURE 15

Share Trading Demonstration TRADER.T003

Share Trading Manager: Options

1. New Real-Time Quote
2. Buy Shares
3. Sell Shares

Please select an option (1,2 or 3): 1

PF3=Return PF12=Exit

Terminal Input 3 -- Select Option

FIGURE 16

Share Trading Demonstration TRADER.T004

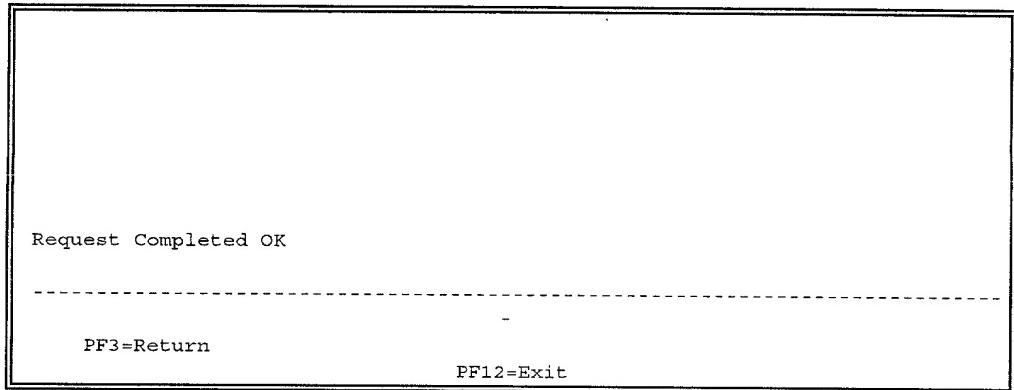
Share Trading Manager: Real-Time Quote

User Name: RUSS

Company Name: Casey_Import_Export

Share Values: Commission Cost:

NOW:	00079.00	for Selling:	007
1 week ago:	00059.00	for Buying:	010
6 days ago:	00063.00		
5 days ago:	00065.00		
4 days ago:	00070.00		
3 days ago:	00072.00		
2 days ago:	00078.00	Number of Shares Held:	5693
1 day ago:	00077.00	Value of Shares Held:	000449747.00



Terminal Output 3 – Stock Quote Screen

FIGURE 17

Trader: Session Over

Terminal Output 4 -- Session Termination Screen

FIGURE 18

COMPANY SELECTION DOCUMENT

```

<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
    <token>ca445fb5</token>
    <timestamp>20020113025852</timestamp>
    <status>
        <response>0</response>
        <desc>ok</desc>
    </status>
    <transaction tranid="TRAD" facility="}AAB" next_tranid="TRAD"
next_tranid_src="normal">
        <status>
            <cics_resp>0</cics_resp>
            <cics_resp2>0</cics_resp2>
            <cics_desc>NORMAL</cics_desc>
            <task_end>endtask</task_end>
            <abend_code>      </abend_code>
        </status>
        <parameters>
            <tranid>TRAD</tranid>
            <entry>TRAD</entry>
            <userid>DSII      </userid>
        </parameters>
        <command src="TRADERPL">
            <send_map erase="y" erase_unp="n" unlock_kb="y" alarm="n" reset_mdt="n" >
                <mapset>TRADBMS </mapset>
                <map>T002      </map>
                <data_indicator>map_and_data</data_indicator>
                <fields count="6">
                    <field name="COMP1" index="0">
                        <name len="5">COMP1</name>
                        <value maxlen="20" len="19">Casey Import_Export</value>
                        <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
                    </field>
                    <field name="COMP2" index="0">
                        <name len="5">COMP2</name>
                        <value maxlen="20" len="19">Glass_and_Luget_Plz</value>
                        <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
                    </field>
                    <field name="COMP3" index="0">
                        <name len="5">COMP3</name>
                        <value maxlen="20" len="20">Headworth_Electrical</value>
                        <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
                    </field>
                    <field name="COMP4" index="0">
                        <name len="5">COMP4</name>
                        <value maxlen="20" len="3">IBM</value>
                        <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
                    </field>
                    <field name="OPTION" index="0">
                        <name len="6">OPTION</name>
                        <value maxlen="1" len="0"></value>
                        <attr byte="50" justify="l" disp="y" prot="n" num="y" int="n"
mdt="n"/>
                    </field>
                    <field name="MESS2" index="0">
                        <name len="5">MESS2</name>
                        <value maxlen="79" len="0"></value>
                        <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
                    </field>
                </fields>
                <cursor type="none"/>
            </send_map>
        </command>
    </transaction>
</request>

```

XML Response 1 -- Company Selection Document

FIGURE 19

```

<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
  <token>ca445fb5</token>
  <timestamp>20020113025955</timestamp>
  <status>
    <response>0</response>
    <desc>ok</desc>
  </status>
  <transaction tranid="TRAD" facility=")AAB" next_tranid="TRAD"
next_tranid_src="normal">
    <status>
      <cics_resp>0</cics_resp>
      <cics_resp2>0</cics_resp2>
      <cics_desc>NORMAL</cics_desc>
      <task_end>endtask</task_end>
      <abend_code>      </abend_code>
    </status>
    <parameters>
      <tranid>TRAD</tranid>
      <entry>TRAD</entry>
      <userid>DSI1      </userid>
    </parameters>
    <command src="TRADERPL">
      <send_map erase="y" erase_unp="n" unlock_kb="y" alarm="n" reset_mdt="n" >
        <mapset>TRADEBMS </mapset>
        <map>T003      </map>
        <data_indicator>map_and_data</data_indicator>
        <fields count="2">
          <field name="OPT2" index="0">
            <name len="4">OPT2</name>
            <value maxlen="1" len="0"></value>
            <attr byte="50" justify="l" disp="y" prot="n" num="y" int="n"
mdt="n"/>
          </field>
          <field name="MESS3" index="0">
            <name len="5">MESS3</name>
            <value maxlen="79" len="0"></value>
            <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
          </field>
        </fields>
        <cursor type="none"/>
      </send_map>
    </command>
  </transaction>
</request>

```

XML Response 2 -- Option Selection Document

FIGURE 20

```

<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
  <token>ca445fb5</token>
  <timestamp>20020113030019</timestamp>
  <status>
    <response>0</response>
    <desc>ok</desc>
  </status>
  <transaction tranid="TRAD" facility=")AAB" next_tranid="TRAD"
next_tranid_src="normal">
    <status>
      <cics_resp>0</cics_resp>
      <cics_resp2>0</cics_resp2>
      <cics_desc>NORMAL</cics_desc>
      <task_end>endtask</task_end>
      <abend_code>      </abend_code>
    </status>
    <parameters>
      <tranid>TRAD</tranid>
      <entry>TRAD</entry>
      <userid>DSI1      </userid>
    </parameters>
    <command src="TRADERPL">
      <send_map erase="y" erase_unp="n" unlock_kb="y" alarm="n" reset_mdt="n" >
        <mapset>TRADBMS </mapset>
        <map>T004      </map>
        <data_indicator>map_and_data</data_indicator>
        <fields count="15">
          <field name="USER41" index="0">
            <name len="6">USER41</name>
            <value maxlen="20" len="4">RUSS</value>
            <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
          </field>
          <field name="COMP41" index="0">
            <name len="6">COMP41</name>
            <value maxlen="20" len="19">Casey_Import_Export</value>
            <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
          </field>
          <field name="SHRNOW" index="0">
            <name len="6">SHRNOW</name>
            <value maxlen="8" len="8">00079.00</value>
            <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
          </field>
          <field name="SELL" index="0">
            <name len="4">SELL</name>
            <value maxlen="12" len="3">C07</value>
            <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
mdt="n"/>
          </field>
          <field name="SHARE7" index="0">
            <name len="6">SHARE7</name>
            <value maxlen="8" len="8">00059.00</value>
            <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
          </field>
          <field name="SHARE6" index="0">
            <name len="6">SHARE6</name>
            <value maxlen="8" len="8">00063.00</value>
            <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
          </field>

```

XML Response 3 -- Stock Quote Document

FIGURE 21

```

<field name="BUY" index="0">
    <name len="3">BUY</name>
    <value maxlen="12" len="3">010</value>
    <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field><field name="SHARE5" index="0">
    <name len="6">SHARE5</name>
    <value maxlen="8" len="8">00065.00</value>
    <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field>
<field name="SHARE4" index="0">
    <name len="6">SHARE4</name>
    <value maxlen="8" len="8">00070.00</value>
    <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field>
<field name="SHARE3" index="0">
    <name len="6">SHARE3</name>
    <value maxlen="8" len="8">00072.00</value>
    <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field>
<field name="SHARE2" index="0">
    <name len="6">SHARE2</name>
    <value maxlen="8" len="8">00078.00</value>
    <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field>
<field name="HELD" index="0">
    <name len="4">HELD</name>
    <value maxlen="12" len="4">5693</value>
    <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field>
<field name="SHARE1" index="0">
    <name len="6">SHARE1</name>
    <value maxlen="8" len="8">00077.00</value>
    <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field>
<field name="VALUE" index="0">
    <name len="5">VALUE</name>
    <value maxlen="12" len="12">000449747.00</value>
    <attr byte="f0" justify="r" disp="y" prot="y" num="y" int="n"
        mdt="n"/>
</field>
<field name="MESS4" index="0">
    <name len="5">MESS4</name>
    <value maxlen="79" len="20">Request Completed OK</value>
    <attr byte="60" justify="l" disp="y" prot="n" num="n" int="n"
        mdt="n"/>
    </field>
</fields>
<cursor type="none"/>
</send_map>
</command>
</transaction>
</request>

```

XML Response 3 -- Stock Quote Document

FIGURE 21 (con't.)

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
  <token></token>
  <timestamp>20020113030037</timestamp>
  <status>
    <response>0</response>
    <desc>ok</desc>
  </status>
  <transaction tranid="TRAD" facility="">AAB</transaction>
  <status>
    <cics_resp>0</cics_resp>
    <cics_resp2>0</cics_resp2>
    <cics_desc>NORMAL</cics_desc>
    <task_end>endtask</task_end>
    <abend_code>      </abend_code>
  </status>
  <parameters>
    <tranid>TRAD</tranid>
    <entry>TRAD</entry>
    <userid>DSI1</userid>
    <aid>PF12</aid>
  </parameters>
  <command src="TRADERPL">
    <send erase="n">
      <data len="20">Trader: Session Over</data>
    </send>
  </command>
</transaction>
</request>
```

XML Output 4 -- Transaction Termination Document

FIGURE 22